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PI3800/93



User manual

PHILIPS

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Need help?

Please visit www.philips.com/welcome where you can access a full set of supporting materials such as user manual, the latest software updates and answers to frequently asked questions.

1 Important safety information

General maintenance

The translation of this document is for reference only.

In the event of any inconsistency between the English version and the translated version, the English version shall prevail.



Caution

- To avoid damage or malfunction:
- Do not expose the product to excessive heat caused by heating equipment or direct sunlight.
- Do not drop the product or allow objects to fall on your player.
- Do not allow the product to be submerged in water. Do not expose headphone socket or battery compartment to water; as water entering the set may cause major damage.
- Active mobile phones in the vicinity may cause interference.
- Back up your files. Ensure that you retain the original files you have downloaded to your device. Philips is not responsible for any loss of data if the product becomes damaged or not readable / legible.
- Manage (transfer, delete, etc.) your music files only with the supplied music software to avoid problems.
- Do not use any cleaning agents containing alcohol, ammonia, benzene, or abrasives as these may harm the product.

About operating and storage temperatures

- Operate in a place where temperature is always between 0 and 35°C (32 to 95°F)
- Store in a place where temperature is always between -20 and 45°C (-4 to 113°F).
- Battery life may be shortened in low temperature conditions.

Replacement parts/accessories:

Visit www.philips.com/support to order replacement parts/accessories.

Hearing Safety



Listen at a moderate volume:

Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.

Sound can be deceiving. Over time your hearing 'comfort level' adapts to higher volumes of sound. So after prolonged listening, what sounds 'normal' can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

To establish a safe volume level:

Set your volume control at a low setting.

Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

Listen for reasonable periods of time:

Prolonged exposure to sound, even at normally 'safe' levels, can also cause hearing loss.

Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.

Listen at reasonable volumes for reasonable periods of time.

Be careful not to adjust the volume as your hearing adapts.

Do not turn up the volume so high that you can't hear what's around you.

You should use caution or temporarily discontinue use in potentially hazardous situations.

Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

Modifications

Modifications not authorized by the manufacturer may void user's authority to operate the product.

Copyright information

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**Be responsible
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Compliance with copyright laws remains your responsibility.

The recording and transfer to the portable player of video streams downloaded to your computer is intended only for use with public domain or properly licensed content. You may only use such content for your private, non-commercial use and shall respect eventual copyright instructions provided by the copyright owner of the work. Such instruction may state that no further copies shall be made. Video streams may include copy protection technology that prohibits further copying. For such situations the recording function will not work and you will be notified with a message.

Data logging

Philips is committed to improving the quality of your product and enhancing the Philips user experience. To understand the usage profile of this device, this device logs some info / data to the non-volatile memory region of the device. These data are used to identify and detect any failures or problems you as a user may experience while using the device. The data stored, for example, will be the duration of playback in music mode, duration of playback in turner mode, how many times battery low was encountered, etc. The data stored do not reveal the content or media used on the device or the source of downloads. The data stored on the device are retrieved and used ONLY if the user returns the device to the Philips service center and ONLY to simplify error detection and prevention. The data stored shall be made available to user on user's first request.

Notice

This product is partly based on Open Source software. The license text, acknowledgment, and written offer can be retrieved from the device under  > About tablet > Legal information.

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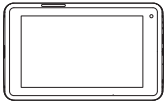
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2 Your new tablet

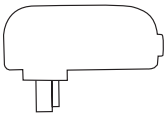
What's in the box

Make sure that you have received the following items:

Pi3800



USB power adapter



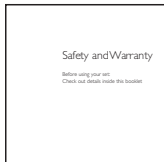
USB cable



Quick start guide



Safety and Warranty sheet



Note

- The images serve as reference only. Philips reserves the right to change color/design without notice.

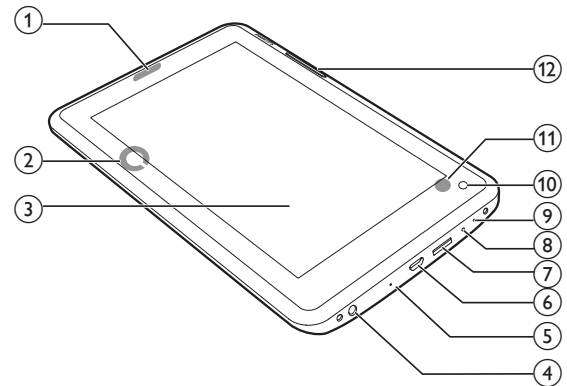
Files loaded on the device

The following files are loaded on **Pi3800**:

- User manual

Overview

Controls



① Power/ lock button

- Press and hold: switch on or off the device.
- Press: lock/unlock the screen; To unlock the screen, drag the lock to an icon.

② Speaker

③ Touch screen

④

- 3.5-mm headphone connector

⑤ MIC

- Microphone

⑥

- USB connector for data transfer and power charging

⑦ MICRO SD

- Slot for Micro SD card

⑧ RESET

- Press the hole by using the tip of a ball pen when the screen does not respond to the pressing of keys.

- ⑨ **Power indicator**
 - During power charging: lights up red
 - Charging complete: switches off
- ⑩ **Front camera lens**
- ⑪ **Rear camera lens**
- ⑫ **+, -**
 - Press: increase/decrease the volume.
 - Press and hold: increase/decrease fast.

Home screen



- ① **Apps**
 -  : List all applications in alphabetical order.
- ② **Google Search**
 -  : Use the quick search box to search on **Pi3800** or the Web.
- ③ **Navigation buttons**
 -  : Tap to return to the Home screen.
 -  : Go back one level or exit.
 -  : Display recent applications that you have used.
 -  (for some applications): View the options menu.
- ④ **Notifications, time, setup status**
 - Tap to check the details and select setup options.

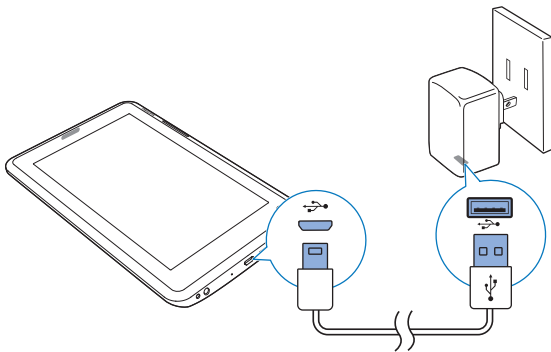
3 Get started

Charge power

Pi3800 has a built-in battery that can be charged through the USB connector of the supplied USB power adapter.

The first time you use **Pi3800**, charge **Pi3800** for more than eight hours.

- By using the USB cable, connect **Pi3800** to the supplied USB power adapter.



- ↳ The power indicator lights up red during power charging.
- ↳ When the power charging is complete, the power indicator switches off.

Note

- Rechargeable batteries have a limited number of charge cycles. Battery life and number of charge cycles vary by use and settings.

To conserve battery power and increase the play time, do the following on the device:

- Switch off the functions when they are unnecessary, such as Wi-Fi, Bluetooth, and the sync options (see 'Accounts 38).
- Set the screen-off timer to a low value (go to  > **Display** > **Sleep**).

Switch the device on or off

Press and hold the power/ lock button until the device is switched on or off.

4 Basics

Find applications

Navigate on the Home screen to find an application:

- Swipe left/ right to select a page;
- Alternatively, tap  to open the list of applications that are sorted in alphabetical order. Swipe left/ right to scroll through the list;
- Use the navigation buttons  /  to switch between screens. Tap  to go to the applications that you use recently.



Tip

- On Pi3800, you can install applications from the HiMarket or other sources (see 'Applications' on page 21).



HiMarket: Download different applications, games, and others.



Philips Songbird: Play music and videos through **Philips Songbird**.



DockStudio: Use **Pi3800** with Philips Android docking speakers.



Gallery: View pictures and videos that you store or make on **Pi3800**.



Camera: Take photos or record videos.



Sound recorder: Make sound recordings.



Browser: Browse Web pages.



Email: Set up your email account on the device.



File manager: Browse the files/ folders on the device, install applications, and manage files.



Settings: Customize the settings of **Pi3800**.



Calendar: Sync your calendar, add events, and set reminders for your events.



Alarm clock: Set the alarm clock.



Calculator

Over the Internet, enjoy the online services through the applications.



91PandaReader: Online book store



Youku: Online video service



Tudou: Online video service



QIYI: Online video service



QQ Live: Online video service



QQGame: Online games



QQ browser: Web browser



weibo: Social networking service



Sina: News portal



Sina Music: Online music service



Baidu ting: Online music service



Baidu Map: Online maps



Amazon: Online book store

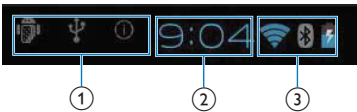
Use applications

When you run applications, do the following:

- Tap a menu at the top bar of the screen. You can switch between different menus and select your options.
- Drag upward quickly at the base of the screen. You can find , , .



Use the notifications and status bar



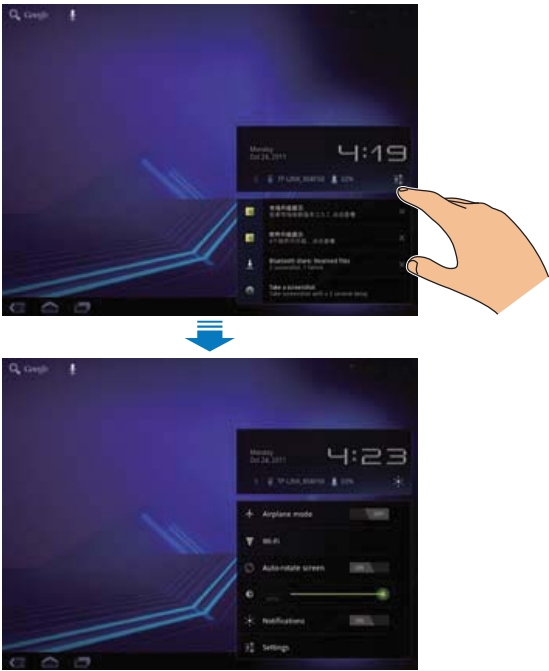
- ① Notifications
- ② Current clock time
- ③ Setup status

At the base of the screen, you can find time and the icons for notifications and setup status:

	Battery charging underway
	Connected to a Wi-Fi network
	Open Wi-Fi network available
	Airplane mode on: Access to Wi-Fi and Bluetooth disabled
	Bluetooth on
	File transfer ongoing through Bluetooth
	Email received
	Application updates available in the HiMarket
	Application downloaded successfully Tap the icon to start installation.

Select setup options

- At the base of the screen, tap an icon of setup status.
 - ➔ A pop-up screen is displayed.
 - ➔ If there are notifications, you can find a list of notifications in a pane.
- Tap 
 - ➔ A list of setup options is displayed.



- Tap your option.
- To close the pop-up screen, tap on the Home screen.

Airplane mode	Enable or disable the access to Wi-Fi or Bluetooth connection.
Wi-Fi	Select your options for Wi-Fi setup.
Auto-rotate screen	Allow or disallow the rotation of the screen.
Brightness	Drag the slider to select the screen brightness.
Notifications	Switch on or off the notifications for open Wi-Fi networks.
Settings	Go to the  Settings menu.

Check notifications

- Tap a notification icon to check the details.

Use the screen

Rotate the screen

To select the landscape or portrait view,

- 1 Make sure that you have switched on **Auto-rotate screen** in  > **Display**.
 - Alternatively, select your setup options at the base of the screen (see 'Select setup options' on page 12).
- 2 Rotate the screen.

Lock/ unlock the screen

By locking the screen, you can lock all the touch controls on the screen. Thus, undesired operations are prevented.

Auto lock

After a time duration, the screen dims and is locked automatically. To set the time duration, go to  > **Display** > **Sleep**.

To lock the screen manually

- Press the power/ lock button.

To unlock the screen

- 1 If necessary, press the power/ lock button to display the lock.

- 2 Drag the lock.
 - ↳ Icons are displayed for the applications that you use recently.



- 3 Drag the lock to an icon.
 - ↳ You enter the application.

Customize the Home screen

To access functions quickly from the Home screen, you can add and rearrange items.

Add items

Add application icons and widget

- 1 Swipe left/ right to select a page.
 - If necessary, tap  to return to the Home screen.
 - Make sure that the page isn't filled.
- 2 Tap  to open the list of application icons and widgets.
- 3 Tap and hold an icon or widget until the page is displayed.
 - ↳ The icon or widget is added to the selected page.

Add wallpapers

- 1 Go to the Home screen.
 - Tap  to return to the Home screen.
- 2 Tap and hold on the screen until the list of options is displayed.
- 3 Tap your options.

Rearrange items

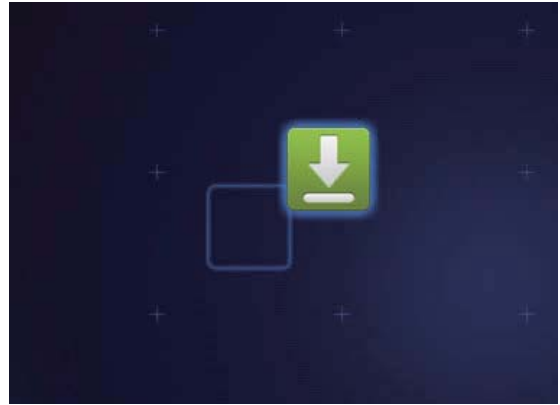
Delete items

- 1 Tap and hold an item to unlock.
- 2 Drag the item to .



Relocate items

- 1 Tap and hold an item to unlock.
- 2 Drag the item to a space on the page.
- 3 Release the item.
 - ↳ The item moves to the space.



Text entry

With the onscreen keyboard, you can enter text in multiple languages.

Select options for text entry

Show or hide the onscreen keyboard

- Tap a text box to show the onscreen keyboard.
- To hide the onscreen keyboard, tap .



Select input methods

- At the base of the screen, tap .



- ↳ You can select the following input methods:

Android keyboard: for multiple languages other than Chinese

QQ input: for Chinese input through handwriting recognition, stroke, and Pinyin, and English input

Google Pinyin: for Chinese Pinyin input and English input

Select keyboard settings

- At the base of the screen, tap .
- Tap  next to the input method.

↳ You can select the keyboard settings for the input method.

Use Google Pinyin to enter text

Select the text entry mode

- On the keyboard, tap 中文 / 英文 to switch between Chinese Pinyin and English input;
- Tap ?123 to enter or exit the entry mode for numbers/ symbols.



Tip

- On the numeric/symbol keyboard, tap **ALT** to switch between numbers/symbols and more symbol choices.

To switch between upper and lower cases,

- Tap  /  to switch between  and .
- ↳  : Letters you enter are in upper case.
- ↳  : Letters you enter are in lower case.

To move to the next line

- Tap .

To delete the entry before the cursor,

- Tap .

Use QQ input to enter text

Select the text entry mode

- Tap  to switch between the text entry modes.
- Tap 123 to enter the entry mode for numbers; Tap  to exit.
- Tap 符 to enter the entry mode for symbols; Tap  to exit.
- Tap  to hide the keypad.

Use the Android keyboard to enter text

- On the onscreen keyboard, tap keys to enter text.
- To select a word suggestion,
 - Swipe left/ right to see more options; Tap the selected option.

To delete the entry before the cursor,

- Tap .

To move to the next line,

- Tap .

Switch between upper and lower cases

- Tap  repeatedly to switch between  and .
-  : The next letter you enter is in upper case.
-  : All letters you enter are in lower case.

To switch to the input mode of all upper cases,

- Tap and hold  or .
- ↳ The button changes to blue.

- 2 When the button changes back to black, release the button.
 - ↳  is displayed.
 - ↳ All letters you enter are in upper case.

Switch between letters and numbers/symbols

- Tap **?123** or **ABC**.

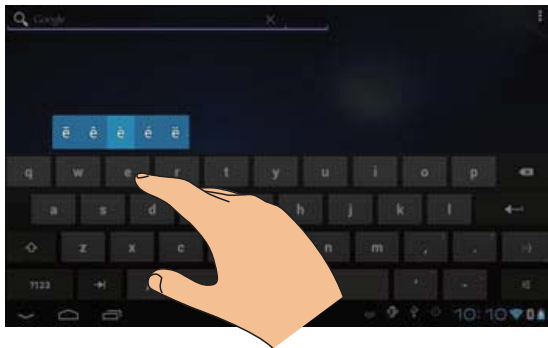


Tip

- On the numeric/symbol keyboard, tap  to switch between numbers/symbols and more symbol choices.

Get more choices for letters and symbols

- Tap and hold a letter or symbol button until the pop-up screen is displayed.



Tip

- The extra choices on one key are available on the keyboards of some languages.

Edit text

You can cut, copy, and paste the text that you have entered.

Select the text

- 1 Tap and hold the text until the pop-screen is displayed.
 - ↳ Current word is selected, with marks for start and end positions.
 - Tap **Select all** to select all the text.
- 2 Drag the marks to select or change the start/ end positions.

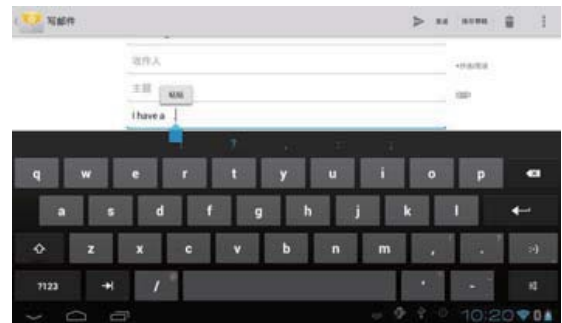


Copy or cut the selected text

- Tap **Copy** or **Cut**.
 - ↳ The selected text is copied or cut.

Paste the selected text

- 1 Put the cursor in a position.
- 2 Tap and hold the position until the pop-screen is displayed.
 - ↳ In the pop-up screen, the option **Paste** is displayed.
 - ↳ Tap **Paste**. The text is pasted in the selected position.



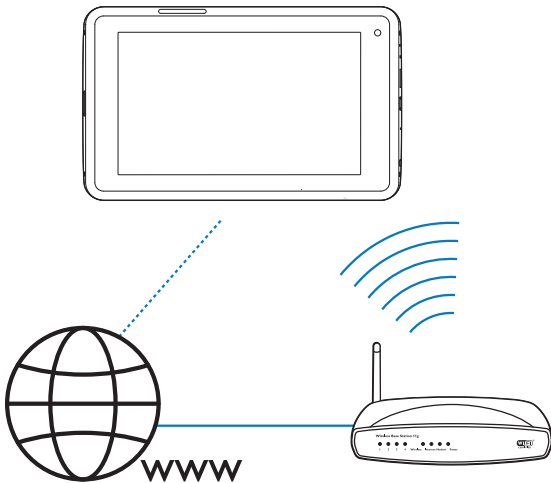
5 Connections

On **Pi3800**, you can

- Connect to the Internet through Wi-Fi;
- Connect to Bluetooth devices;
- Connect to a computer through the USB cable;
- Connect to Philips Android docking speaker;
- Use a Micro SD card (up to 32 GB).

Connect to the Internet

Connect **Pi3800** to a Wi-Fi network that connects to the Internet.



Note

- Make sure that the router connects to the Internet directly and no dial-up is required on the computer.

Connect to Wi-Fi

Connect **Pi3800** to a wireless router (Access Point). You can connect **Pi3800** to the network that is built around the router.

- 1 At the base of the screen, start your Wi-Fi setup:

- ① Tap an icon of setup status.
- ② Tap  to display a list of setup options.
- ③ Tap .



- 2 Drag the slider to switch on the Wi-Fi function.

↳ You see a list of Wi-Fi networks in range, and previously connected networks (if the networks are remembered).

↳ The device starts connecting to the previously connected network.

- 3 To switch to another Wi-Fi network, connect **Pi3800** to a network:

- ① In the list of Wi-Fi networks, tap the selected one.
- ② On the pop-up screen, enter the password to the network.

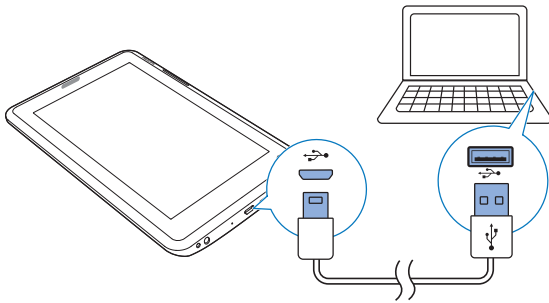


Note

- If MAC address filtering is enabled on your router; add the MAC address of **Pi3800** to the list of devices that are allowed to join the network. To find the Wi-Fi MAC address, go to  > **About tablet** > **Status** on the Home screen.
- To refresh the list of networks, tap **SCAN**.
- If you have disabled SSID broadcasting or hidden the Service Set Identifier (SSID) of the router; manually enter the SSID or public name for the network. Go to  > **Wi-Fi**. On the top bar, tap **ADD NETWORK**.
- If the DHCP (Dynamic Host Configuration Protocol) is unavailable or disabled on the router; manually enter the IP address of **Pi3800**.

Connect to your PC

Connect **Pi3800** to a PC through the USB cable.

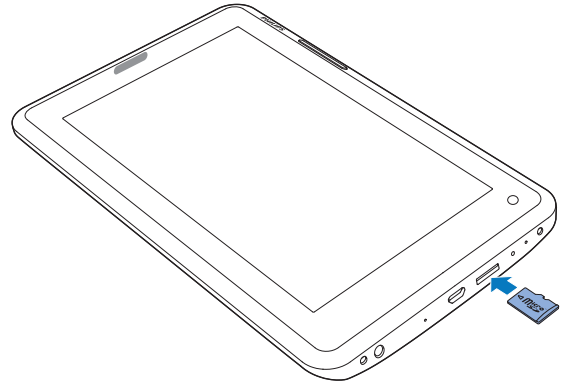


Do the following to transfer applications or media files from your PC to **Pi3800**, the internal memory or SD card:

- In Windows Explorer, drag and drop applications or media files from your PC to **Pi3800**.
- Alternatively, transfer media files to **Pi3800** through media management software, such as **Windows Media Player 11**.

Use a Micro SD card

Insert a Micro SD card (up to 32 GB) into **Pi3800**. You can expand the memory size of **Pi3800**.



Move applications to the SD card

Move some applications from the device to the SD card. You can expand the size of internal memory on the device (see 'Manage applications' on page 21).

Connect to Bluetooth

Through Bluetooth, you can do the following wirelessly on **Pi3800**:

- Receive or send files from or to another connected Bluetooth device;
- Listen to music through stereo Bluetooth headphones;
- Listen to music through Bluetooth speakers, like **Philips SHOQBOX**.

Connect with Bluetooth devices

You can connect **Pi3800** with Bluetooth devices in the following ways:

- Connect another Bluetooth device;
- Get connected by another Bluetooth device.



Tip

- Before the connection, consult the user manual of the Bluetooth device to get its Bluetooth pairing passcode. Or, try 0000 or 1234.

Connect another Bluetooth devices

- 1 Make sure that the device is discoverable by another Bluetooth device.
 - Consult the user manual of the Bluetooth device for information.
- 2 On **Pi3800**, search for the Bluetooth device:
 - ① From the Home screen, tap  > **WIRELESS & NETWORKS** > **Bluetooth**.
 - ② Drag the slider to switch on **Bluetooth**.
↳  is displayed on the status bar.
 - ③ Tap **SEARCH FOR DEVICES**.
↳ The device is displayed under **AVAILABLE DEVICES** after it is discovered.
- 3 Pair with the device:
 - On **Pi3800**, tap the device, and enter the passcode as prompted;
 - On the device, enter the passcode as prompted.
↳ A message is displayed when the pairing is complete.

Get connected by another Bluetooth devices

- 1 Make sure that **Pi3800** is discoverable by another Bluetooth device:
 - ① From the Home screen, tap  > **WIRELESS AND NETWORKS** > **Bluetooth**.
 - ② Drag the slider to switch on **Bluetooth**.

③ Tap **Pi3800**.

- ↳ ***Pi3800** is discoverable for two minutes.

- 2 On the Bluetooth device, search for and pair with **Pi3800**.
 - For information about the steps, consult the user manual of the Bluetooth device.



Tip

- *To change the device name of **Pi3800**, go to  > **WIRELESS AND NETWORKS** > **Bluetooth**, tap  and select **Rename tablet**.

Send or receive files through Bluetooth

Send files to another Bluetooth device

- 1 Make sure that
 - you have paired **Pi3800** with the Bluetooth device;
 - on **Pi3800** and Bluetooth device, Bluetooth is on.
- 2 On **Pi3800**, send files through Bluetooth:
 - ① In **Gallery**, play a photo. Tap  > **Bluetooth**.
 - ② Tap the paired device to start sending.
↳ When sending or receiving is in progress,  is displayed at the base of the screen.

- 3 On the Bluetooth device, receive the files:
 - Confirm as prompted.
 - Save the files as prompted.

Receive files from Bluetooth device

- 1 Make sure that
 - you have paired **Pi3800** with the Bluetooth device;
 - on **Pi3800** and Bluetooth device, Bluetooth is on.

- 2 On the Bluetooth device, send files to **Pi3800** through Bluetooth.
- 3 On **Pi3800**, receive the files:
 - At the base of the screen, tap .
Confirm as prompted.
 - ↳ You can also find the received files in  > **WIRELESS & NETWORKS** > **Bluetooth**. Tap  and select **Show received files**.

Listen to music through stereo Bluetooth headphones and speakers

Connect the stereo Bluetooth headphones or speakers

- ↳ Follow the steps under "Connect another Bluetooth device" (see 'Connect another Bluetooth devices' on page 19). After successful connection,  is displayed.
- ↳ Next time you switch on Bluetooth on the devices, the Bluetooth connection is established automatically.

Listen to music through the stereo Bluetooth headphones or speakers

- Play music on **Pi3800**.
 - ↳ You listen to the music through the connected Bluetooth headphones or speakers.

Connect to Philips Android docking speakers

Through the USB connector, connect **Pi3800** to a Philips Android docking speaker. You can do the following:

- Charge power;
- Listen to the music through the docking speaker;
- With the Philips application  **DockStudio**, use **Pi3800** as clock, alarm, or to listen to the Internet radio.

6 Applications

With applications, you can access functions, services, and different audio/ video contents on **Pi3800**.

Install applications

On **Pi3800**, you can install applications from

- the HiMarket over the Internet; or
- other sources, such as other online sources, the internal storage of the device, and the Micro SD card that you have inserted into the device.



Note

- HiMarket is an open platform for apps developers to promote their applications. Compatibility and quality of execution of apps in HiMarket may vary from developers to developers.

HiMarket

Install applications from the HiMarket

From the Home screen, go to . You can download and install applications and games.

- 1 In , search for an application as needed:
 - Tap for search by category;
 - Tap for keyword search.
- 2 Download the application:
 - Tap the application. Confirm as needed.
 - ↳ When the downloading is complete, installation starts automatically.
 - ↳ Check the status bar to find the status. If necessary, tap the icon to start installation as prompted.

Other sources

Allow the installation from unknown sources

- From the Home screen, go to > **Security**. Tap to switch on **Unknown sources**.
 - ↳ If the function is enabled, the tick box is selected.

Download/ transfer the applications

- To download the applications from online sources, follow the onscreen instructions;
- To transfer the application to the internal memory or SD card of the device, use the USB cable to connect the device to your PC.

Start installation

- The downloaded applications start installation automatically;
- To find the applications that you transfer to the internal memory or SD card, go to . Find the application and tap the option to start installation.

Manage applications

You can manage the applications on the device, for example, install/ uninstall applications, stop running applications, or select other options.

- 1 From the Home screen, select **Settings** > **Apps**:
 - In **DOWNLOADED**, find the applications that you have downloaded from the HiMarket or other sources.
 - On **SD CARD**, find the applications that you have installed on the SD card.
 - In **RUNNING**, find the applications that are running on the device.
 - In **ALL**, find all the applications that you have installed on the device.

- 2 Tap an application.
↳ Options and information are displayed.



- 3 Tap to select an option.

7 Music, videos, and pictures

You can use different applications to play media files.

Play music from Philips Songbird

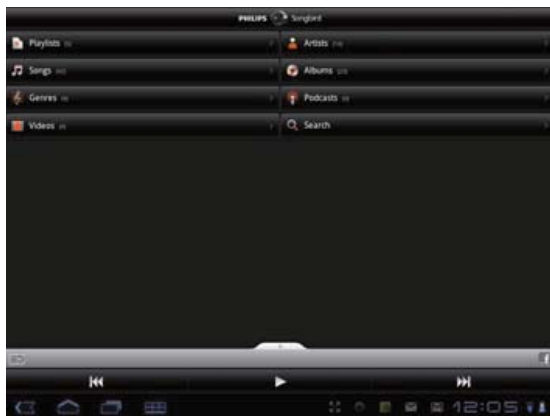
Go to  **Philips Songbird** to play music and videos that you store on **Pi3800**.

With  **Philips Songbird**, you can select Philips sound options for your music play.

Browse the music library

Find music by song information

On the library screen, find music by artist, song title, or album.



- 1 On the library screen, tap , , or  to sort the library as needed.
 - ↳ The music library is sorted by the song information in alphabetical order.
 - ↳ When you sort the library by album, the available album art is displayed.

- 2 On , , or , use **Superscroll** to search for items that start with a selected alphabet:



- ① In the list of items, swipe up/ down.
 - ↳ The slider is displayed.
- ② Press and hold the slider.
 - ↳ In the pop-up text box, current alphabet is displayed.
- ③ To select an alphabet, drag the slider up/ down until you reach the alphabet.
 - ↳ At the top of the list, you see the first item that starts with the alphabet.



Tip

- **Superscroll** is available in a long list of items under , , or .

Find music by keyword

On the library screen, tap  to enter the keyword in the quick search box.

Find music by genre

On the device, you can browse the library by genre, such as pop, rock, and blues. Edit the song information through media management software on a PC, for example, **Windows Media Player 11** and **Philips Songbird**.

- On the library screen, tap the genre button to find a genre as needed.

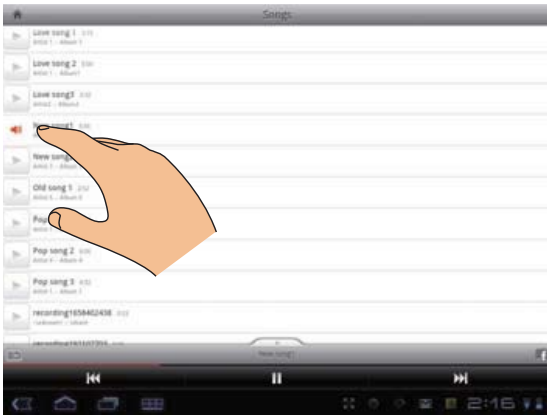
Find music by playlist

On the device, you can create a playlist for songs that you want to play together.

- On the library screen, tap  to find a playlist as needed.

Play music

- In the music library, browse to find music.
- To start play, tap  next to an artist, album, song, genre, or playlist.
 - You start to play the artist, album, song, genre, or playlist.



Show or hide the play screen

- Drag  up/ down.



To select play options on the play screen,

-  Tap to play all songs in current folder in random order.

-  Tap once or more to select repeat options:
Repeat all: Tap to repeat all songs in current folder.
Repeat one: Tap to repeat current song.

-  Tap to pause/resume play.

-  /  Tap to skip songs.

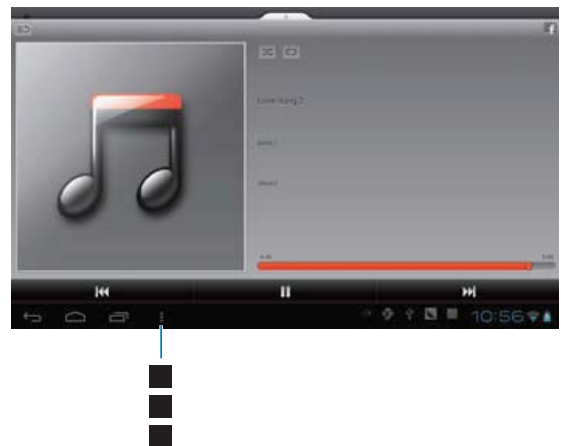
To switch between screens,

-  Tap to return to the list of items.

-  Tap to return to the library screen.

Set the play screen as lock screen

During music play, the screen is locked automatically after a certain time duration. With the play screen set as lock screen, press the power/ lock button and you can select play options on the lock screen.



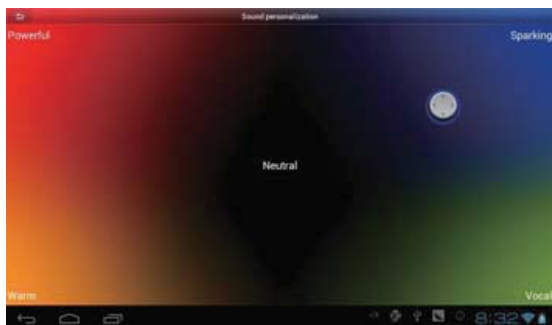
To switch off the lock screen,

- In Philips Songbird, tap  > [Settings] and deselect [Lock screen widget].

Philips sound options

- In Philips Songbird, tap  and select [Settings] > [Philips Sound Options]:
[FullSound]
Restore the sonic details that music compression loses (such as MP3, WMA).
[Sound Personalization]

Drag the button on the screen to select sound settings.



Tip

- When you select one of **[FullSound]** and **[Sound Personalization]**, you switch off another.

To select play options on the stereo Bluetooth headphones,

When you listen to music through stereo Bluetooth headphones, you can select play options by using the controls on the Bluetooth headphones.

- In **Philips Songbird**, tap  and select **[Settings] > [Headset controls]**.

Playlists

You can create a playlist for songs that you want to play together.

Add songs to a playlist

- 1 On the library screen, select an artist, album, song, or genre.
- 2 Tap and hold the artist, album, song, or genre until the pop-up screen is displayed. Tap **[Add to playlist...]**.
- 3 Select or create a playlist.
 - ↳ The selected song, or all the songs under an artist, album, or genre are added to the playlist.

Rename a playlist

- 1 Select a playlist.

- 2 Tap and hold the playlist until the pop-up screen is displayed. Tap **[Rename]**.
 - ↳ The onscreen keyboard is displayed.
- 3 Edit the name of the playlist.
 - ↳ The playlist is renamed.

Remove a song from the playlist

- 1 In a playlist, select or play a song.
- 2 Tap and hold the song until the pop-up screen is displayed. Tap **[Remove from playlist]**.
 - ↳ The selected song is removed from the playlist.

Delete a playlist

- 1 Select a playlist.
- 2 Tap and hold the playlist until the pop-up screen is displayed. Tap **[Delete]**.
 - ↳ The playlist is deleted.

Play videos from Philips Songbird

With  Philips Songbird, you can select Philips sound options for your video play.

Browse the videos library

Find videos by title

- On the library screen, tap .
 - ↳ The videos library is sorted by the title in alphabetical order.

Find videos by keyword

On the library screen, tap  to enter the keyword in the quick search box.

- Alternatively, tap the search box in the videos library.

Play videos

- 1 In the videos library, browse to find a video.
- 2 To start play, tap ▶ next to the video.
↳ You start to play the video.

To select play options on the play screen,

- | | |
|-------|---|
| ⏸ / | Tap to pause/resume play. |
| ⏮ / ⏭ | Hold to search forward or backwards within current video. |
| ⏮ / ⏭ | Tap to skip videos. |

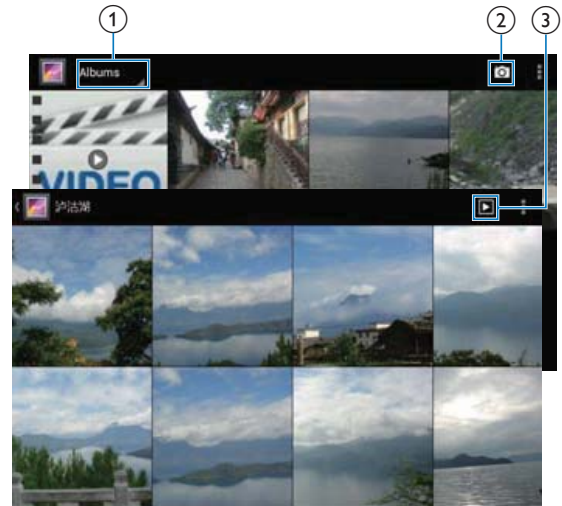
Philips sound options

- On the video play screen, tap  and select [Settings] > [Philips Sound Options].

Surround Sound	Surround sound effect
----------------	-----------------------

Play from Gallery

- 1 From the Home screen, go to .
↳ Pictures and videos folders are displayed.
- 2 Tap a folder.
↳ Pictures and videos in the folder are displayed.



- ① Tap to sort images and videos in different ways.
- ② Tap to go to the camera.
- ③ Tap to start the slideshow of photos.

To browse through the pictures or videos,

- Swipe left/ right on the screen.

To return to the previous screens or Home screen,

- Drag upward quickly at the base of the screen. You can find , , .



Play videos

- 1 In the video library, browse to find a video.
- 2 Tap a video to start play.
↳ The play screen is displayed.

On the play screen,

- To pause/resume play, tap **II** / **▶**.
- To search within the video, drag the progress bar.

Play pictures

- Tap a picture to start play.
↳ The play screen is displayed.



- 1 Tap to return to the main menu of Gallery.

- 2 Tap to select your options:
 • : Share current photo through Bluetooth or online services;
 • : Delete current photo;
 • > **Set picture as**: Set current photo as wallpaper, or the photo of a contact.
- 3 Swipe left/ right browse through all the photos in current album. Tap to play the selected photo.

To crop current photo,

- 1 Select > **Crop**.
↳ A cropping frame is displayed.
- 2 Within the cropping frame, select an area that you want to keep:
 - Swipe left/ right or up/ down to select the area;
 - To enlarge/ reduce the area in proportion, drag a corner of the frame;
 - To enlarge/ reduce the area as needed, drag the edges of the frame.
- 3 Tap **OK**.
↳ You save the cropped version.

8 Search

With the quick search box of Google Search, you can

- search the web; or/ and
- search the device

Use the quick search box

Go to Google Search from the Home screen.

1 On the Home screen, swipe to the quick search box.

↳ To search the web, make sure that you have connected the device to the Internet.

2 Start the search:

- ① On the onscreen keyboard, enter your keyword for search;
- ② Tap ► to start search.

1 Tap  > **Search settings**.

2 Tap to select an option:

- **Searchable items:** Select the items that you can search for on the device.

Select search options



9 Email

On **Pi3800**, you can receive and send email as you do on a computer. Do the following:

- Set up your email accounts on the device.

Set up your email account

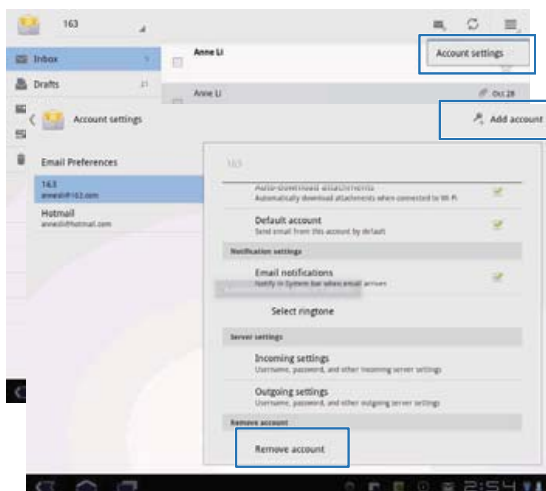
On **Pi3800**, set up your email accounts in the following ways:

- Set up your POP3 or IMAP mail accounts, or
- Set up your Microsoft Exchange account to access your Exchange mailbox at work (see 'Set up your Microsoft Exchange account' on page 35).

Set up your POP3/ IMAP account

- 1 From the Home screen, go to .
- 2 Set up your email account:
 - Enter the information about your account;
 - Select pop3 or IMAP account.
- 3 Follow the onscreen instructions to complete the setup.
 - Consult your email service provider for the setup information, such as the outgoing server; incoming server.

Select account settings



- 1 On the screen of mail list, tap  > **Settings**.
 - ➔ A pop-up screen is displayed.
 - If necessary, tap  repeatedly to return to the screen of mail list.

- 2 Select your options for the account.

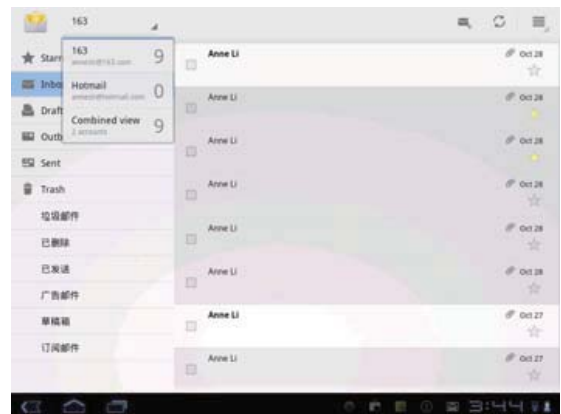
To add an account,

- On  > **Settings**, tap **Add account**.

To remove an account,

- On  > **Settings**, select **Remove account**.
 - ➔ Current account is removed.

Check your email messages



You can check your email messages in the following ways:

- Check one combined mailbox;
- Check messages by account;
- Check starred messages;
- Check unread messages.

To check one combined mailbox,

- 1 On the screen of mail list, tap the account name.
 - ➔ A drop-down list of account names is displayed.
 - If necessary, tap  repeatedly to return to the screen of mail list.
- 2 Tap **Combined view**.

- ↳ Different colors are used to mark the messages from different accounts.

To check messages from a single account,

- 1 Repeat **Step 1** in "To check one combined mailbox".
- 2 Tap the selected account.
 - ↳ Messages from the account are displayed.

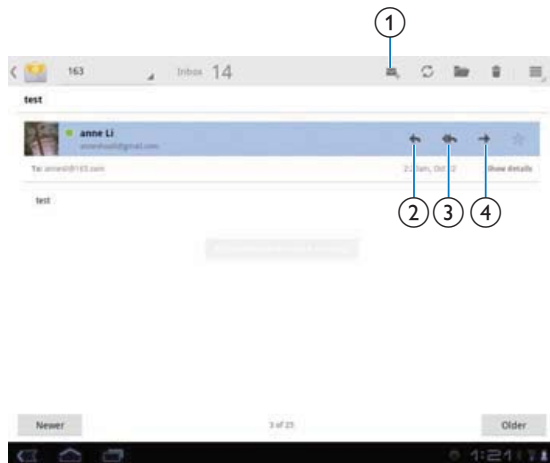
To check starred messages,

- Tap the star next to the message.
 - ↳ The message is added to the **Starred** folder.

To check unread messages,

- On the screen of mail list, the unread messages are in white.

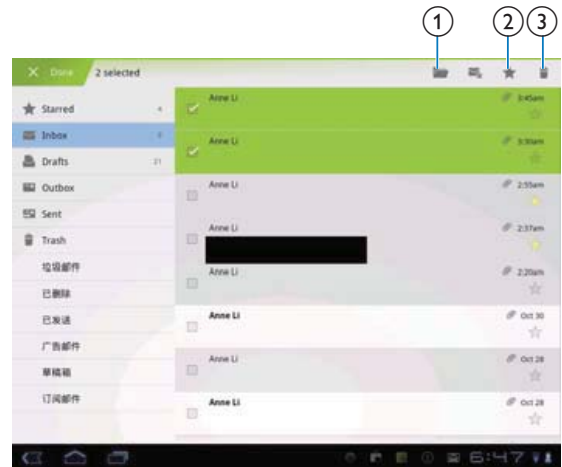
Compose email messages



When you read a message, tap the icons to do the following:

- ① Compose a new message
- ② Reply
- ③ Reply all
- ④ Forward

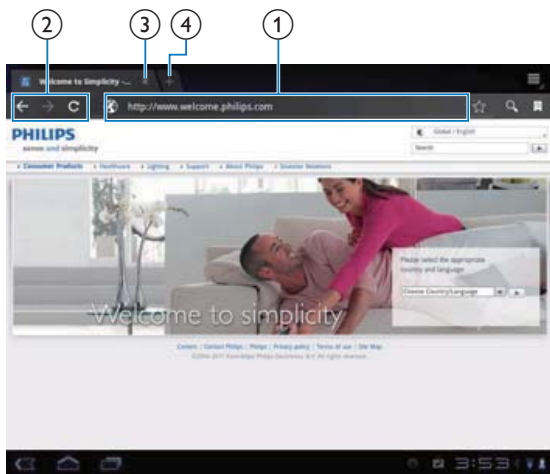
Organize email messages



- 1 On the screen of mail list, select messages you want to manage:
 - Tap the check boxes next to the messages.
 - ↳ Selected messages are highlighted.
- 2 Tap the icons to do the following:
 - ① Move the messages to the selected folder.
 - ② Add the messages to the Starred folder.
 - ③ Delete the messages.

10 Browser

With , you can browse Web pages.



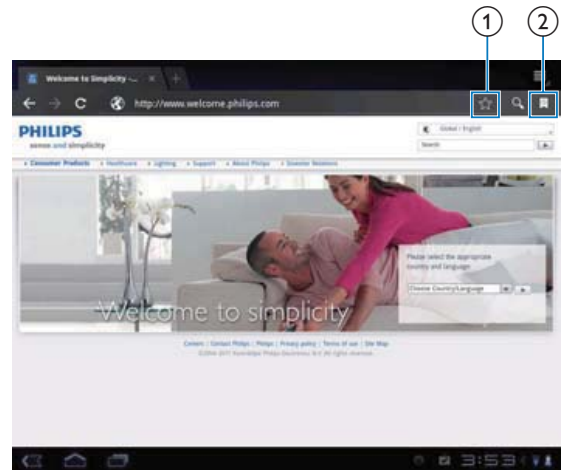
- 1 From the Home screen, tap .
- 2 Tap the icons or text box to do the following:
 - ① Enter the address of web pages. Tap ► to start search.
 - ② Tap the icons to search backwards, forward, or refresh the Web page.
 - ③ Close the Web page.
 - ④ Open a new Web page.

To switch between Web pages,

- At the top bar, tap the tab of the selected Web page.

Add a bookmark

Add a bookmark. You can quickly access a visited Web page.



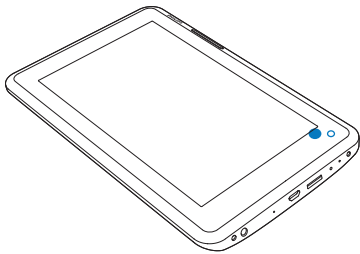
- ① Add a bookmark to current Web page.
- ② Go to the bookmarked Web pages.

11 Tools

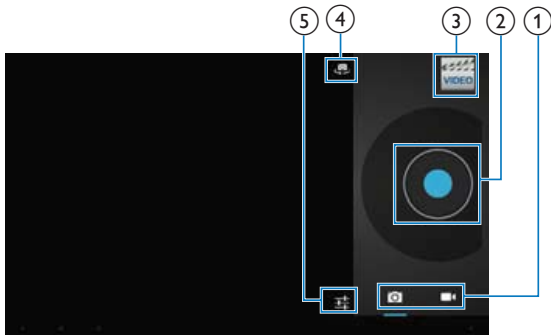
Camera

With the 0.3 and 2 Mega-pixel lens at the front and back, you can do the following on **Pi3800**:

- Shoot photos or videos by using the camera or video recorder;
- Have video chats with friends over the Internet.



Take photos or record videos



- ① Selector for camera and video recorder
- ② Shutter
- ③ Thumbnail
- ④ Selector for the front and rear camera lens
- ⑤ Options menu

- 1 From the Home screen, go to .
↳ The onscreen buttons are displayed.

- 2 Tap or to switch between the camera and video recorder.
- 3 Tap to switch to the camera lens at the front or back.
- 4 To take photos:
 - ① **Point the lens at you or objects;**
 - ② Tap .
↳ The photo is taken.
- 5 To record videos:
 - Tap / to start or stop video recording.

To view photos/ videos in the Gallery,

- Tap the thumbnail .
↳ You can view the photos/ videos that you have taken or recorded.

Select settings

- Tap to select your options for the camera or video recorder:

For the camera:

- **White balance**
Tap to select the option according to current source of lights. You can reduce the effects on colors by lights.

For the video recorder:

- **White balance**
Tap to select the option according to current source of lights. You can reduce the effects on colors by lights.
- **Video quality**
Tap to select high or standard definition according to your purpose.

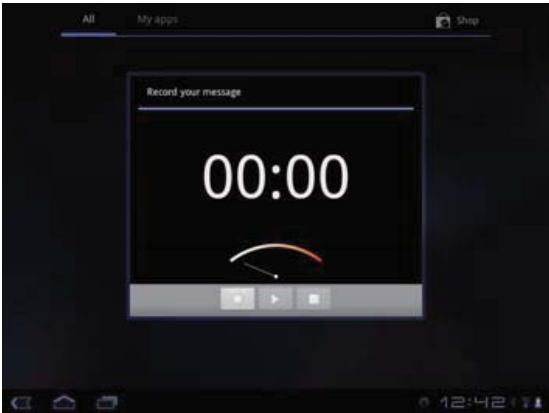
Use the lens for video chat

- 1 From the HiMarket, download the video chat application.
- 2 On the device, launch the application.
- 3 To use the camera lens,
 - Follow the instructions of the application;
 - Point the lens at you or objects.

Sound recorder

With  **Sound Recorder**, you can record your voice messages. Send the voice messages through email or Bluetooth as needed.

- 1 From the Home screen, go to .
↳ The sound recorder is displayed.



- 2 Make sure that the microphone is close to the sound source to be recorded.
- 3 Do the following to start or stop recording.

 Tap to start recording.

 Tap to stop recording.

↳ After the message is recorded, a pop-up screen is displayed.

- 4 Tap  to review the recording. Tap **Done** to save the recording file.
↳ You can play the recording in a media player application, such as **Philips Songbird**.

Calendar

On the device, you can sync the calendar with:

- the calendar of your Microsoft Exchange account (see 'Set up your Microsoft Exchange account' on page 35).

Alarm clock

On the device, you can set several alarms.

Set an alarm

- 1 Make sure that you have set the clock time (see 'Date 40).
- 2 From the Home screen, tap .
↳ The next alarm is displayed.



- 3 Tap .
↳ The set alarms are displayed.
- 4 To set an alarm clock,
 - To add an alarm, tap **Add alarm**.
 - To change an alarm, tap the preset alarm time.
- 5 Tap **Settings** to select your option. Confirm as prompted.

Time	Set the alarm time.
Repeat	Select how the alarm repeats.
Ringtone	Select the ringtone for the alarm: silence, buzzer, or ringtone.
Label	Add description for the alarm.

Switch an alarm on or off

- In  > , tap the tick box next to the set alarm time.
↳ If the function is enabled, the tick box is selected.

Use the alarm

At the set alarm time, the alarm sounds. A pop-up screen is displayed.

- To interrupt the alarm, tap **Snooze**.
↳ The alarm sounds 10 minutes later.

- To stop the alarm, tap **Dismiss**.
↳ The alarm repeats at the next set alarm time.

Calculator

From the Home screen, tap  to use the calculator.

- 1 Enter numbers and mathematic operators:
 - Use the onscreen keyboard for entry.

- 2 Tap **=** to start calculation.

To clear entries,

- 1 Tap to put the cursor behind the entry where you start to clear.
- 2 Tap  repeatedly.
 - Entries before the cursor are cleared.
 - To clear all the entries, tap and hold .

To copy an entry,

- 1 Tap and hold an entry until a pop-up screen is displayed.
↳ The entry is copied.
- 2 To paste the entry in your email, do the following:
 - ① In text box of your email, tap and hold a position until a pop-up screen is displayed.
 - ② Tap **Paste** in the pop-up screen.
↳ The entry is pasted to the selected position. 

12 Use the device in corporate networks

You can use **Pi3800** in corporate networks. Install the secure credentials or security certificates before you access corporate networks.

The access to corporate network may allow you to set up your Microsoft Exchange account and add VPN on the device. With the Microsoft Exchange account, you can access your exchange mailbox at work.

Install secure credentials

Ask your network administrator for secure credentials or security certificates.

To install the secure credentials,

- 1 Make sure that you transfer the files of secure credentials from a PC to the SD card that you have mounted onto the device.

Note

- On **Pi3800**, make sure that the secure credentials are saved to the root directory of the SD card, instead of under a folder.

- 2 Install the secure credentials:
 - ① From the Home screen, go to  > Security > Install from SD card.
 - ② Tap the file to start installation.
 - ③ Set the password and name for the credentials as prompted.

To apply the secure credentials,

- 1 In , select **Security > Trusted credentials**.
- 2 Make sure that the credential is selected.
 - ↳ If the function is enabled, the tick box is selected.
 - ↳ On the device, you allow the applications to use the secure credentials.

Set up your Microsoft Exchange account

- 1 From the Home screen, go to .
- 2 Set up your email account:
 - Enter the information about your account, and select **Exchange** as the account type.
 - If you have set up other email accounts, select  > **Settings** on the screen of mail list. Tap **Add account**.
- 3 Follow the onscreen instructions to complete the setup.
 - For the server address, enter the web address for your Outlook web access, for example, owa.company name.com or mail. company name.com/owa.
 - For other setup information, such as domain name, user name, check with your system administrator.

Note

- The device can work with Microsoft Exchange 2003 and 2007.

Add VPN

Virtual private network (VPN) allows you to connect to private networks through secure access.

Sometimes, you need VPN access to connect to corporate networks.

To add VPN on the device

- 1 Ask your network administrator for the configuration information.
- 2 From the Home screen, go to  > **Wireless & networks** > **More** > **VPN**.
- 3 Configure the VPN as prompted.
- 4 Install the secure credentials as needed (see 'Install secure credentials' on page 35).

To connect to the VPN,

- 1 Make sure that you have connected **Pi3800** to the Internet.
- 2 From the Home screen, go to  > **Wireless & networks** > **More**.
↳ A list of VPNs is displayed.
- 3 Tap the VPN to start connection.

13 Settings

To select your settings,

- 1 At the base of the screen, tap an icon of setup status (see 'Select setup options' on page 12). Tap .
 - Alternatively, go to  from the Home screen.
- 2 Swipe up or down to scroll through lists of options.
- 3 Tap an option to select it.

Wireless & networks

Wi-Fi

In WIRELESS & NETWORKS > Wi-Fi, select your Wi-Fi settings on the device (see 'Connect to Wi-Fi' on page 17).

Add Wi-Fi network

Enter SSID manually

SSID (Service Set Identifier) is the name of a router. By the name, the router is recognized by other Wi-Fi devices. If you have hidden the SSID of the router (for example, disable the SSID broadcasting), the router is invisible in the list of available networks. To connect **Pi3800** to the router, enter the SSID of the router manually before you search for available networks on the **Pi3800**.

- 1 In **Wi-Fi**, drag the slider to switch on Wi-Fi.
- 2 On the top bar, tap **ADD NETWORK**.
- 3 Enter the SSID of the router:
 - ↳ The **Pi3800** starts searching for the network.
 - ↳ You can find the network in the list of networks.
- 4 Connect **Pi3800** to the network.

Network notification

Switch on **Network notification**. At the base of the screen,  is displayed when an open Wi-Fi network is available.

- 1 In **Wi-Fi**, drag the slider to switch on Wi-Fi.
- 2 At the top bar, tap  and select **Advanced** > **Network notification**.

Bluetooth

In WIRELESS & NETWORKS > Bluetooth, manage your Bluetooth settings (see 'Connect with Bluetooth devices' on page 18).

Airplane mode

Switch on the airplane mode when:

- you need to disable the access to Wi-Fi or Bluetooth for safety purposes, such as on an airplane.

In **WIRELESS & NETWORKS**, select **More** > **Airplane mode**. You can disable or enable the access to Wi-Fi or Bluetooth.

VPN settings

Use VPN settings to access private networks, such as corporate networks (see 'Use the device in corporate networks' on page 35).

Sound

In **Sound**, select sound settings for your device.

Volume	Drag the slider to select the volume level for media, notifications, and alarms.
Default notification	Set an audio file as ringtone.
Touch sounds	Sounds play when you tap on the screen.
Screen lock sound	Sounds play when you lock/unlock the screen.

Display

In **Display**, select your display settings:

Brightness	Drag the slider to change the display brightness.
Wallpaper	Set the wallpaper of the device.
Auto-rotate screen	Switch on/ off the screen rotation between the landscape and portrait views.
Sleep	After the selected time duration, the screen switches off automatically. To save battery power, select a low value.
Font size	Select font size for the on-screen display.

Storage

In **Storage**, learn the space information about the internal memory and SD card on your **Pi3800**.

In **Storage** > **Erase it**, you can erase all the data that you have stored on the internal memory of the player, or SD card.

Battery

In **Battery**, check the battery use by applications.

Apps

In **Apps**, manage the applications on the device and SD card. You can install/ uninstall applications, or select other options.

- 1 Find the applications:
 - In **DOWNLOADED**, find the applications that you have downloaded from the HiMarket, or other sources.

- In **ON SD CARD**, find the applications that you have installed on the SD card.
- In **RUNNING**, find the applications that are running on the device.
- In **ALL**, find all the applications that you have installed on the device and SD card.

- 2 Tap an application.
↳ Options and information are displayed.
- 3 Tap to select an option.

Accounts & sync

In **Accounts & sync**, add, remove, or manage an account.

- Tap **ADD ACCOUNT** to add an account.
- Tap an account to manage the account, for example, remove the account or select sync options.

Location services

- In **Location services**, switch on or off **Google's location service**.
↳ If the function is enabled, the tick box is selected.
↳ You can allow or disallow your location information to be used in online location services of Google, such as Maps, or other relevant services and applications.

Security

Screen lock

By default, to unlock the screen of **Pi3800**, press the power/ lock button and then, drag the lock to an icon.

In **Screen lock**, you can set a pattern, pin, or password as the unlock security. To unlock the screen, such unlock security is required.

None	Switch off the lock.
Pattern	Set a pattern as the unlock security.
PIN	Set a PIN that consists of numbers.
Password	Set a password that consists of a combination of numbers, letters, and symbols.

Encrypt tablet

In **Encrypt tablet**, you can encrypt all the data on the device, such as your Google accounts, media files, and downloads. With the data encrypted, you need to enter a pin or password each time you switch on **Pi3800**.

- 1 Before you encrypt the device, do the following:
 - ① **Do factory reset on the device** (see 'Backup 40').
 - ↳ All the data are erased from the internal storage of **Pi3800**.
 - ② **Set pin or password as the unlock security for screen lock** (see 'Screen lock' on page 38).
 - ③ **Charge Pi3800**.
 - ↳ When the power charging is complete, the power indicator switches off.
 - ④ **Use the by-packed USB adapter to connect Pi3800 to power**.
- 2 Go to **Security > Encrypt tablet**.
 - ↳ If **Pi3800** is ready for encryption, the **Encrypt tablet** button lights up.
- 3 Tap the **Encrypt tablet** button.
- 4 Follow the onscreen instructions to complete encryption.

- ↳ The encryption process takes an hour or more.
- ↳ During the process, the device switches off and on several times.

To un-encrypt the device,

- Do factory reset on the device (see 'Backup 40').

Visible passwords

Your password consists of several characters. To make sure that you have entered the characters correctly, show the characters as you type the password. Switch **Make passwords visible** on or off as needed.

- Tap the tick box.
 - ↳ If the function is enabled, the tick box is selected.

Device administrators

Applications in corporate networks require the rights of device administrator, such as the email and calendar under your Microsoft Exchange account.

Before you uninstall such an application, disable the rights of device administrator.

- In **Device administrators**, tap an application.
 - ↳ The rights of device administrator are disabled.
 - ↳ You cannot sync data for the application.

Unknown sources

On **Pi3800**, you can install applications that you download from , or from sources other than .

- For the applications from sources other than , tap **Unknown sources** to allow installation on the **Pi3800**.
 - ↳ If the function is enabled, the tick box is selected.

Language & input

Language

In **Language**, select the language for the onscreen instructions of **Pi3800**.

Personal dictionary

In **Personal dictionary**, add or remove words or phrases to/ from the user dictionary. You can customize the word suggestions that are displayed on the pop-up screen during your text entry on the Android keyboard.

To add a word or phrase,

- Tap **+** to add a word or phrase.

To edit a word or phrase,

- 1 Tap on the word or phrase.
↳ A pop-up screen is displayed.

- 2 Edit the word or phrase.

To remove a word or phrase,

- Tap **X** next to the word or phrase.

Text-to-speech output

In **Text-to-speech output**, select your options for:

- voice output for the accessibility function on the device (see 'Accessibility' on page 41).

Install voice data

Download from the Market the voice data for speech synthesis.

- 1 Connect the device to the Internet.
- 2 In **Text-to-speech settings**, tap **Install voice data**.
↳ Search for and download the voice data.

Select your options for the voice output

- 1 In **Pico TTS**, tap **≡** > **Language**. Select a language as needed.
- 2 In **Speech rate**, select a speed at which the text is read, normal, fast, or slow.

- 3 Tap **Listen to an example**.
↳ Your options are used to play the demo of speech synthesis.

Backup & reset

In **Backup & reset** > **Factory data reset**, you can erase all the data that you have stored on the internal memory of the player.

Date & time

Automatic setting

Over the Internet, you can sync the date and time on **Pi3800** from Philips online services.

To switch on the automatic clock setting,

- 1 In **Date & time**, tap to switch on **Automatic date & time**.
↳ If the function is enabled, the tick box is selected.
- 2 In **Select time zone**, select your current time zone.
- 3 In **Use 24-hour format** and **Select date format**, select your options for time and date display.

Manual setting

- 1 In **Date & time**, tap to switch off **Automatic date & time**.
↳ If the function is disabled, the tick box is deselected.
- 2 Tap to set date, time, and time zone in **Set date**, **Set time**, and **Set time zone**.
 - To select a date, tap the date in the calendar.
 - To select the digits, tap or hold  ,  .

Accessibility

With the accessibility function, actions on the screen of the device are read out through the text-to-speech technology, such as the taps, selection of menu items. For people who cannot read the screen clearly, the function allows them to use the device in an easier way.

Install the accessibility applications

- From , download an application, such as Talkback. Install the application on your device.

Use the accessibility function

- 1 Select **Accessibility**.
↳ If the function is enabled, the tick box is selected.
- 2 Select an accessibility application that you have installed.
- 3 Select your options for voice output (see 'Text-to-speech output' on page 40).

About tablet

In **About tablet**, learn the status and information about your **Pi3800**.

System updates

In **System updates**, check for the system updates of **Pi3800**. Make sure that you have connected the device to the Internet. Register your **Pi3800** to access the firmware upgrades.

Register

- 1 Make sure that you have connected the device to the Internet.
- 2 To register **Pi3800** with www.philips.com/welcome,
 - ① Select **System updates > Register**.
 - ② Enter your valid email address.

↳ You receive an email message from ConsumerCare@Philips.com.

- ③ Use the Web page link in the email to complete registration.

To check registration information

You can check whether you have registered your **Pi3800**, whether you have completed the registration, and what account you have used for registration.

- Tap **Register > Registration information**.

To unregister Pi3800

To use another email address as your account with www.philips.com/welcome, you can unregister **Pi3800**.

- 1 Tap **Register > Unregister**.
- 2 Confirm as prompted.

Upgrade

- 1 Make sure that your device is more than 75% charged.
- 2 Make sure that you have connected the device to the Internet.
- 3 Select **System updates > Upgrade**.
↳ The device starts to check for the firmware update.
↳ The firmware information is displayed.
- 4 Follow the onscreen instructions to download the firmware update to your device.
↳ When the message "An update.zip is detected from your Device Storage. Do you want to have this update?" is displayed, the downloading is complete.
- 5 Select the option to start upgrading.



Note

- During the upgrading process, keep the screen or button untouched.
- Keep the device powered on before the firmware update is complete.

Status and information about the device

In Status,

- **Battery status:** Display the status of power charging.
- **Battery level:** Display remaining power by percentage.
- **IP address:** Display the IP address that is assigned to **Pi3800** when the device is connected a Wi-Fi network.
- **Wi-Fi MAC address:** Display the unique identifier that is assigned to the network adapter of **Pi3800**. If MAC address filtering is enabled on your router, add the MAC address of **Pi3800** to the list of devices that are allowed to join the network.
- **Bluetooth address:** Display the Bluetooth address of **Pi3800** when the Bluetooth function is switched on.

Battery use: Display the power consumption by each running application.

Legal information: Legal information for **Pi3800**

Model number: Model no. of the device

Android version: Firmware version of the Android platform that the device is running on

Build number: Software version of **Pi3800**

14 Check for firmware update

Connect **Pi3800** to Wi-Fi. You can receive notifications about firmware updates. Check notifications at the base of the screen (see 'Use the notifications and status bar' on page 12). You can update the firmware of **Pi3800**

- on the device.

Update the firmware on the device

On **Pi3800**, you can update the firmware through Philips online services over the Internet (see 'System updates' on page 41).

15 Technical data

Power

- Power adapter
DSA-10CU-05 050200
Input: 100-240 V~ 50/60 Hz, 0.5 A
Output: DC 5.0 V, 2 A
- Power supply: 6,000 mAh Li-ion polymer internal rechargeable battery
- Play time¹
music (MP3, Wi-Fi off, earphones only): 25 hours
video (MP4, Wi-Fi off): 5 hours

Display

- Type: LCD Touch-sensitive screen
- Diagonal screen size (inch): 7
- Resolution: 1024 x 600 pixels

Platform

Android™ 4

Connectivity

- Headphone: 3.5 mm
- USB: 2.0 High speed, Micro type
- Wireless LAN: Wi-Fi 802.11 b/g/n
- Bluetooth
Bluetooth profiles: A2DP, AVRCP, Object push profile
Bluetooth version: 2.1+EDR

Headphone sound

- Channel separation: > 45 dB
- Frequency response: 60-18,000 Hz
- Output power: 2 x 10 mW (maximum)
- Signal to noise ratio: > 80 dB

Speaker sound

- Frequency response: 100-15,000 Hz
- Output power: 500 mW
- Signal to noise ratio: > 60 dB

Audio playback

- Supported formats:
WAV, MP3, AAC/.m4a, OGG Vorbis, 3GPP, AMR-NB (mono), AMR-WB (stereo), MIDI (Type 0 and 1 (.mid, .xm, .mxmf)), RTTTL/RTX (.rttl, .rtx), OTA (.ota), and iMelody(.imy)

Audio capturing

- AMR-NB
Bitrate: 4.75 to 12.2 kbps
Sampling rate: 8 kHz
File supported: 3GPP (.3gp)
- Specified
Bitrate: 128 kbps
Sampling rate: 44.1 kHz
File format: MP3
- Built-in microphone: mono

Video playback

- Supported formats:
MPEG-4 (.avi), H.264 (3gpp, .mp4), H.263 Sorenson, H.263 (3GPP container), FLV (supported for the Internet streaming), MKV (AVC + AC3), MPEG-4 (AVC + AC3), AVI (Xvid + MP3), 3GPP

Video capturing

- H.264 Aspect ratio (4:3 or 16:9 selectable)
- Video resolution: VGA (640 x 480)
- Frame rate: 30 frames per second
- Container: .mp4
- Audio format: MP3
- Lens: Fixed focus length
- Recording time: Depending on the storage

Still picture playback

- Supported formats:
JPEG, BMP, PNG, GIF

Still picture capturing

- Picture resolution: VGA (640 x 480)
- Picture format: JPEG, PNG
- Lens: Fixed focus length

Storage media

- Built-in memory capacity²:
8 GB NAND Flash, 16 GB NAND Flash
- External storage:
Micro SD memory card slot (Maximum memory card capacity: 32 GB)

Preloaded applications

- HiMarket™, 91PandaReader, TuDou.com™, QIYI Video™, Youku™, Sina™ News, Sina™ Weibo, Sina™ Music, QQ™ Live, QQ™ Browser, Amazon™, Baidu™ Map, Baidu™ ting
- Search, Browser, Gallery, mVideoPlayer, Music, Camera, Email, Calendar, Clock, Calculator

- Philips Songbird, DockStudio

Note

- ¹ Rechargeable batteries have a limited number of charge cycles. Battery life and number of charge cycles vary by use and settings.
- ² 1GB = 1 billion bytes; available storage capacity is less. Full memory capacity may not be available as some memory is reserved for the device. Storage capacity is based on 4 minutes per song and 128 kbps MP3 encoding.

PC system requirements

- Windows®XP (SP3 or above), Vista/7 (32-bit, 64-bit)
- Pentium III 800 MHz processor or higher
- 512 MB RAM
- 500 MB hard disk space
- Internet connection
- Windows® Internet Explorer 6.0 or later
- USB port

